

# AIP Supplement & AIC Enhancements

For ATS, Pilots, Dispatch, or Personnel Involved in Flight Operations



# Definitions

The following terms and acronyms are used throughout this publication:

**AIP** - Aeronautical Information Publication. A publication containing aeronautical information of a lasting character essential to air navigation.

In Canada, the Canada Flight Supplement (CFS), Designated Airspace Handbook (DAH), Canada Air Pilot (CAP) and charts are all part of the Canadian AIP.

**AIM** - Aeronautical Information Management. A group within NAV CANADA responsible for the collection, evaluation, and dissemination of aeronautical information published in the state AIP and associated aeronautical charts.

**AIP SUPs** - AIP Supplements are used to disseminate changes to aeronautical information that is temporary but has a duration of greater than three months or requires long text and/or a graphical depiction. They supplement the information present in AIP Canada.

**AICs** - Aeronautical Information Circulars are used to disseminate useful information that does not qualify for inclusion in AIP Canada or a NOTAM. The information contained in an AIC is explanatory or advisory in nature and can include information on changes in regulations, procedures, or facilities that affect flight safety.

**AIP Website** - The Aeronautical Information Publication website contains links to the Canadian AIP, AIP SUPs and AICs. It can be found by visiting [www.navcanada.ca](http://www.navcanada.ca).

# Overview

This summary is broken out into two sections:

## 1 AIM Product Modernization

Section Goal: Provide information ahead of time on the upcoming modernization efforts impacting AIP SUP and AIC publications to ensure awareness of the changes and their impacts.

Outline:

- Project Overview
- Changes & Impacts
- Project Timeline

## 2 The Importance of AIP SUPs

Section Goal: Ensure personnel involved in flight operations are aware of the importance of checking AIP SUPs.

# Resources

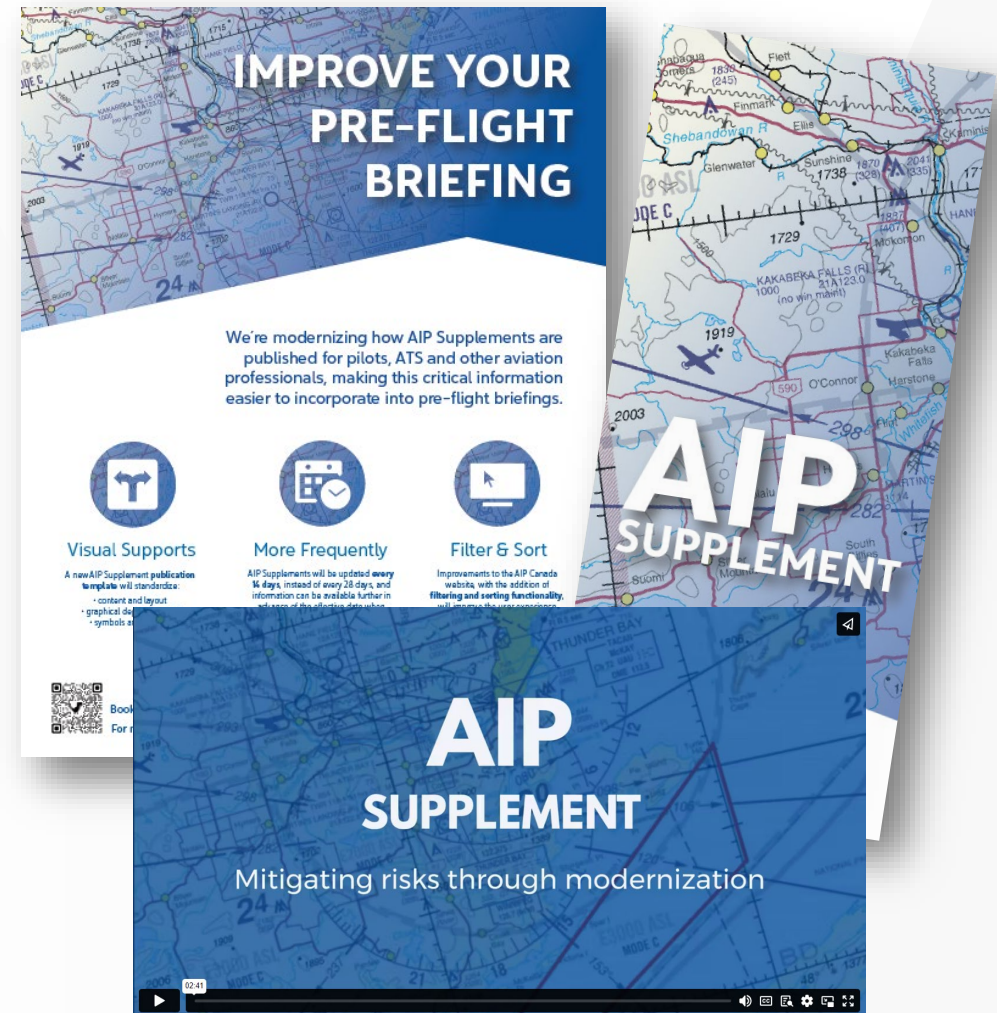
A number of resources have been produced to support general awareness:

- [FAQ](#)
- [Blog Post: A picture's worth 1,000 words, June 20, 2023](#)
- Product Modernization [video](#), [brochure](#), [poster](#)
- [Use NAV CANADA Aeronautical Information Products](#)

Website:

- [AIP Canada](#)

For further information on the AIM Product Modernization project, contact: [projet\\_AIP\\_project@navcanada.ca](mailto:projet_AIP_project@navcanada.ca).



# AIM Product Modernization

Where we're at and where we're headed

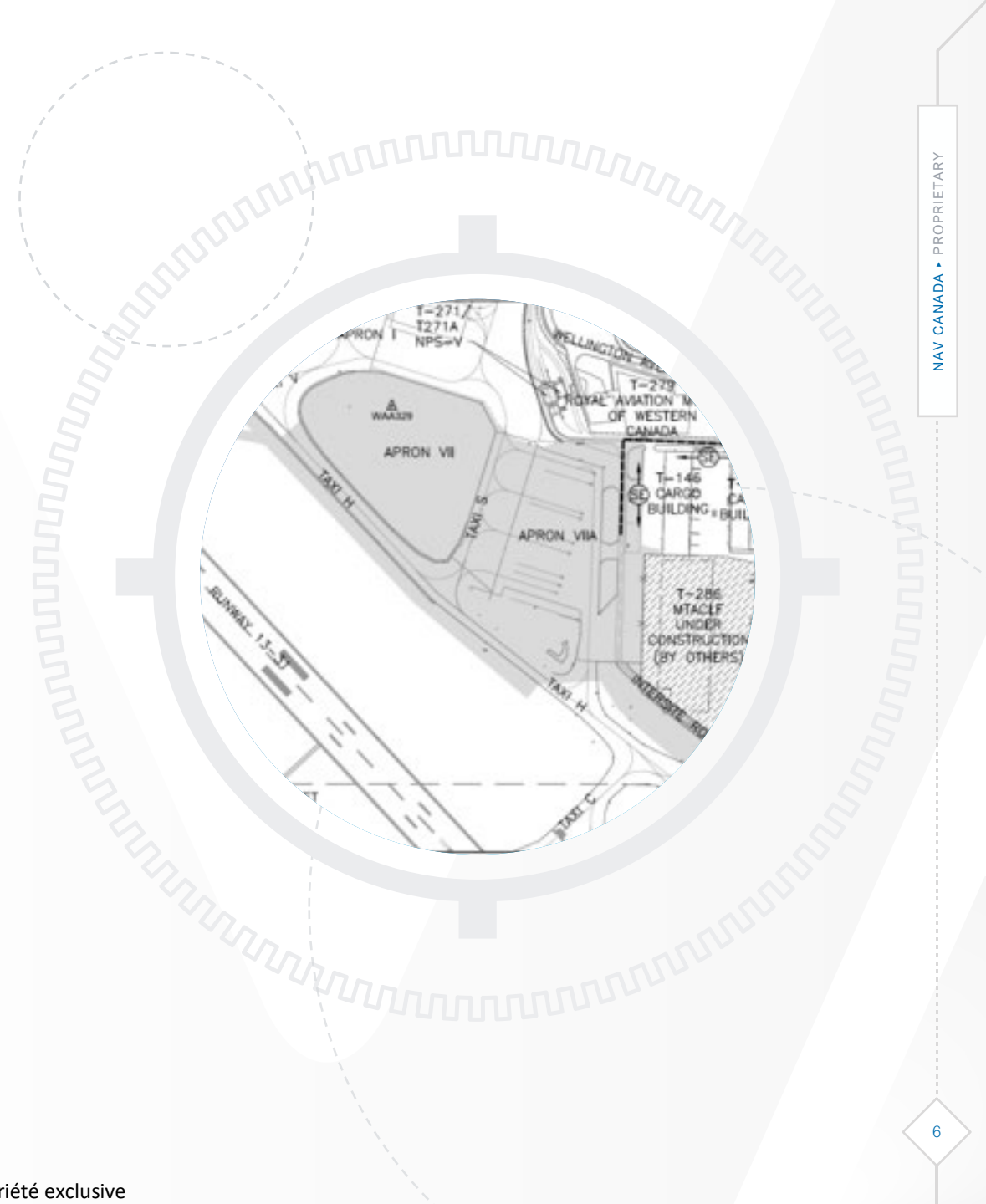
# Project Overview

## What we have set out to achieve

NAV CANADA is modernizing how AIP SUPs and AICs are published to increase their effectiveness, making them faster to produce and easier to use, helping improve situational awareness and overall operational safety.

## Currently:

- AIP SUPs and AICs are updated every 28 days on the NAV CANADA website.
- AIP SUPs do not have depiction standards for aerodrome-related construction activities.
- Aerodrome hazards and closures are sometimes communicated using one or multiple NOTAMs, which can be difficult for users to establish accurate mental models.
- The AIP website can be difficult for end-users to navigate, increasing the risk of missed information during pre-flight briefing.



# Planned Changes

## What is changing



### Visuals Supports

- To ensure consistency and improve usefulness, a new AIP Supplement **publication template** will standardize:
  - content and layout
  - graphical depictions, and
  - symbols and colours(See the [Annex](#) for examples of the graphics.)



### Publication Frequency

- AIP SUPs and AICs will be published to the AIP website **every 14 days**, instead of every 28 days.
- AIP SUPs and AICs can be **published further in advance** of the effective date when enough advance notice is provided by the aerodrome.



### Website Updates

The AIP website will be enhanced to make it **easier to navigate**, with the ability to filter and download.



### Introduction of Trigger NOTAM

- During the initial phase of the roll-out, trigger NOTAM will advertise the existence of an AIP SUP and last for the duration of the AIP SUP.
- In late 2024, the validity period of the trigger NOTAM will be changed to 14 days to be consistent with ICAO standards.
- An example of a trigger NOTAM is provided on [Slide 12](#).

## What is not changing

- NOTAMs will continue to be used to communicate operationally significant closures and hazards. During this phase of the transition, AIP SUP are not intended to replace NOTAM but can add important context to changes.

# Benefits of the Changes



## Increased Useability

The use of standardized AIP SUPs, including more effective graphic depictions, increases the clarity of information being portrayed, improves the quality and usability of the publication which supports improved situational awareness.



## More Dynamic Updates

A 14-day publication schedule allows more flexibility in publishing and removal of AIP SUPs to ensure accurate information and timely notice of aerodrome construction activities. Information can also be published further in advance of the effective date when shared with enough advance notice by aerodromes.



## Greater Efficiency

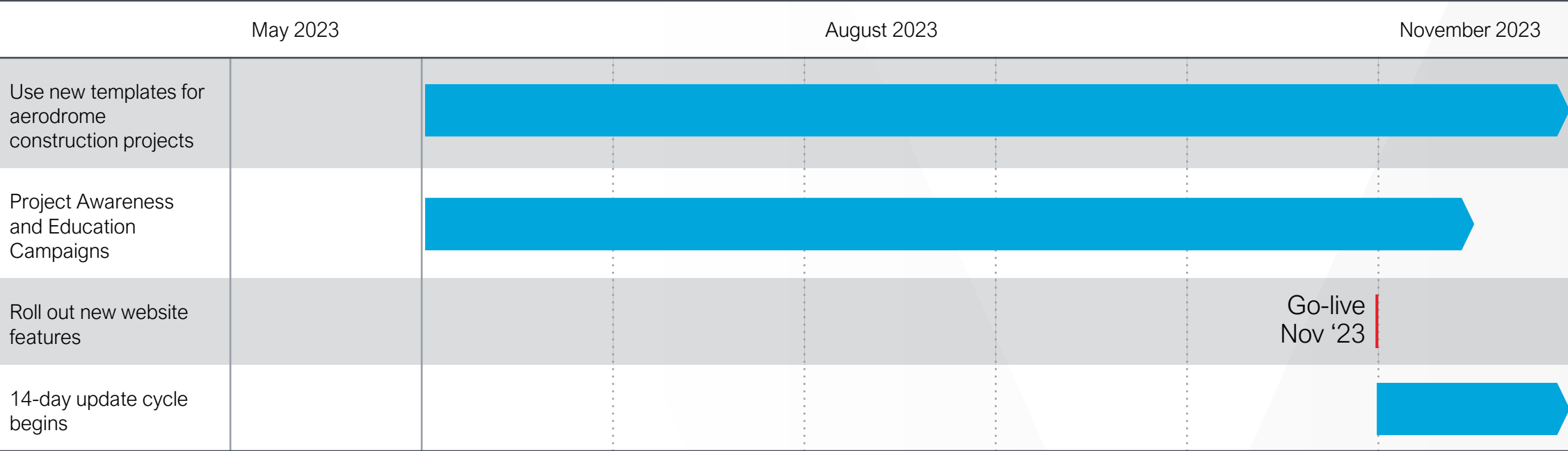
Standardized publications and website enhancements means greater efficiencies through all stages of the AIP SUP lifecycle, from information gathering to publication and use.

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# Improved Safety



# Timelines



# AIP Supplements

Why they are important



# The changing nature of aeronautical information

All published aeronautical information products are subject to both temporary or permanent updates between publication cycles. To communicate unplanned or temporary changes, two different mechanisms can be used:

## NOTAMs

- Contain safety-critical information about temporary, short-duration changes using brief, text-based messages.
- Due to text limitations, NOTAMs cannot always provide enough information to establish a comprehensive and detailed picture of the airspace or airport operations. In these scenarios, an AIP SUP may be used to provide additional context.

## AIP Supplements

- Contain safety-critical information and can be used to complement a NOTAM when extensive text or graphics are beneficial.
- AIP Supplements can be used when the temporary information is known to be of long duration (3 months or more).
- AIP Supplements are available on the NAV CANADA website at [www.navcanada.ca](http://www.navcanada.ca)
- Trigger NOTAMs will be used to advertise the presence of an AIP Supplement.

 It is imperative that both NOTAMs and AIP Supplements are reviewed during the flight planning process.

# Trigger NOTAM

Starting on **November 30**, trigger NOTAM will advertise the existence of an AIP SUP. To help spread awareness of the existence of AIP SUP, a 2-phase transition is planned.

## Phase 1:

A temporary transitional period to ensure pilots and aviation personnel become accustomed to checking AIP SUP as part of their flight planning process. During Phase 1, AIP SUPs will be accompanied by a NOTAM to serve as an alert of the new publication. NOTAMs referring to AIP SUP will remain in the system for as long as the AIP SUP is published.

## Phase 2:

Trigger NOTAMs will be used to alert pilots and aviation personnel to the existence of a new AIP SUP. The validity period of trigger NOTAMs will start on the AIP SUP effective date and end a maximum of 14 days after the start date. During Phase 2, trigger NOTAMs will not necessarily remain active for the duration of the AIP SUP. Phase 2 is anticipated to start later in 2024.

Trigger NOTAM have a condition code “TT” and begin with the text “TRIGGER NOTAM”:

(K1006/22 NOTAMN

Q) CZUL/QMR**TT**/IV/BO/A/000/999/4908N06812W005



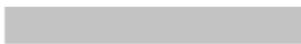
A) CYBC B) YYMDDHHMM C) YYMDDHHMMEST

E) **TRIGGER NOTAM** - AIP SUP XX/YYY WEF DD MMM UNTIL DD MM. RWY 10/28 WIDTH REDUCED TO 75FT DUE TO CONSTRUCTION.)

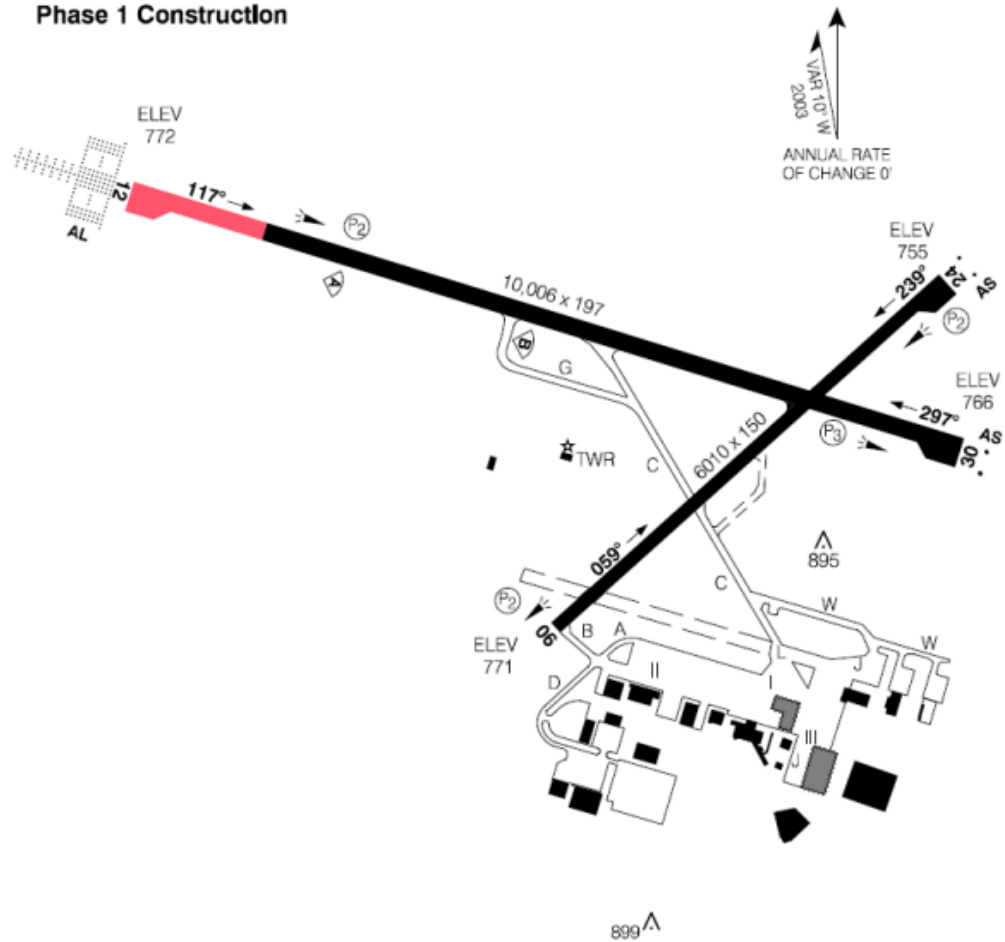
# Annex

# Construction Depiction Example

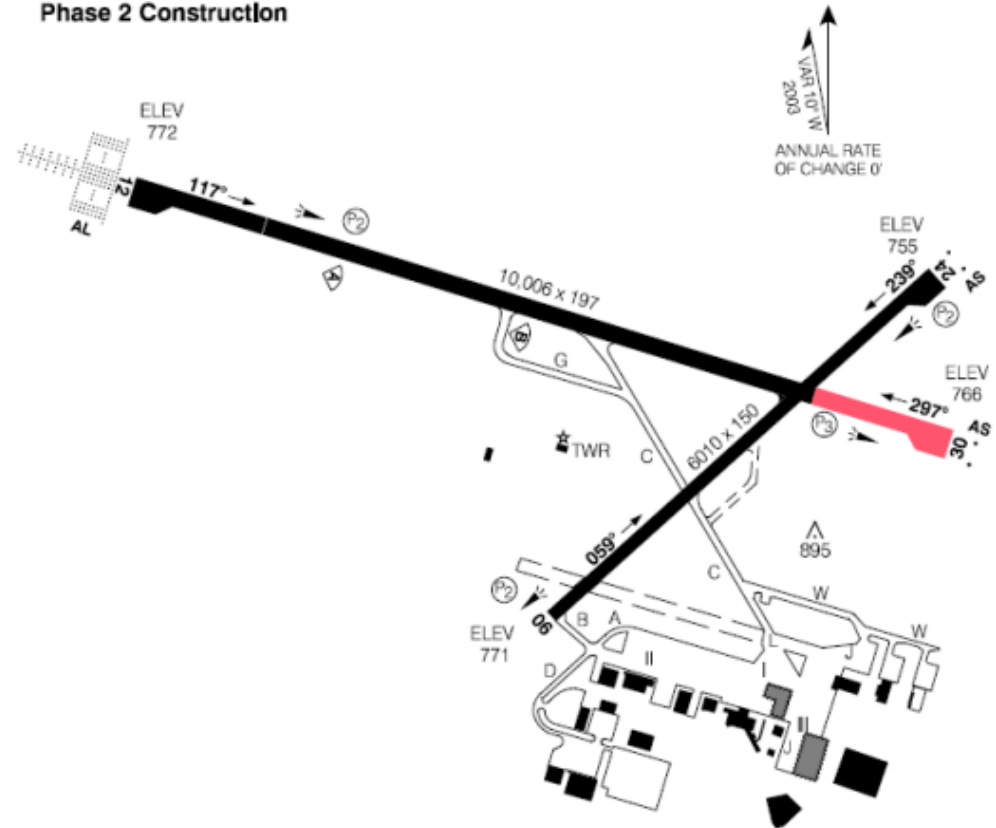
## Legend

	Application/Symbol	Colour
Closed		Red
Runway Available for Taxi Only		Amber
Construction Activity Area		Grey

Phase 1 Construction

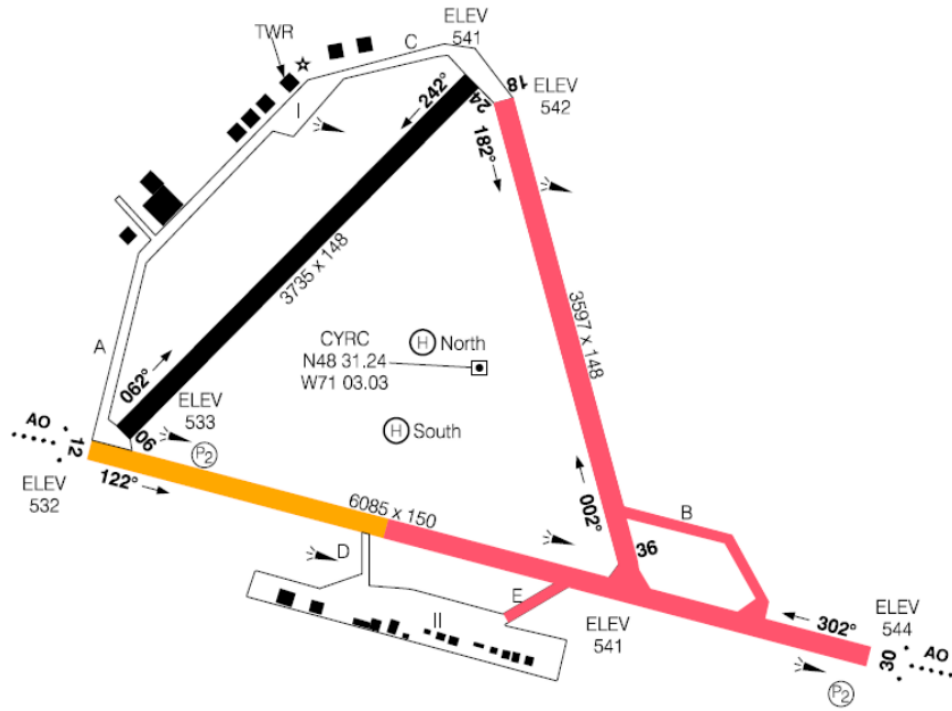


Phase 2 Construction



# Construction Depiction Example #2

## Construction Area Depictions Phase 1



## Phase 2

### Construction Period

- May 23, 2023 1600 UTC to 2130 UTC

### Construction Area Depictions

